






METHOD FOR ASSESSING THE ENDURANCE OF A RUNNING FLAT SYSTEM

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 FR2812394 (A1)

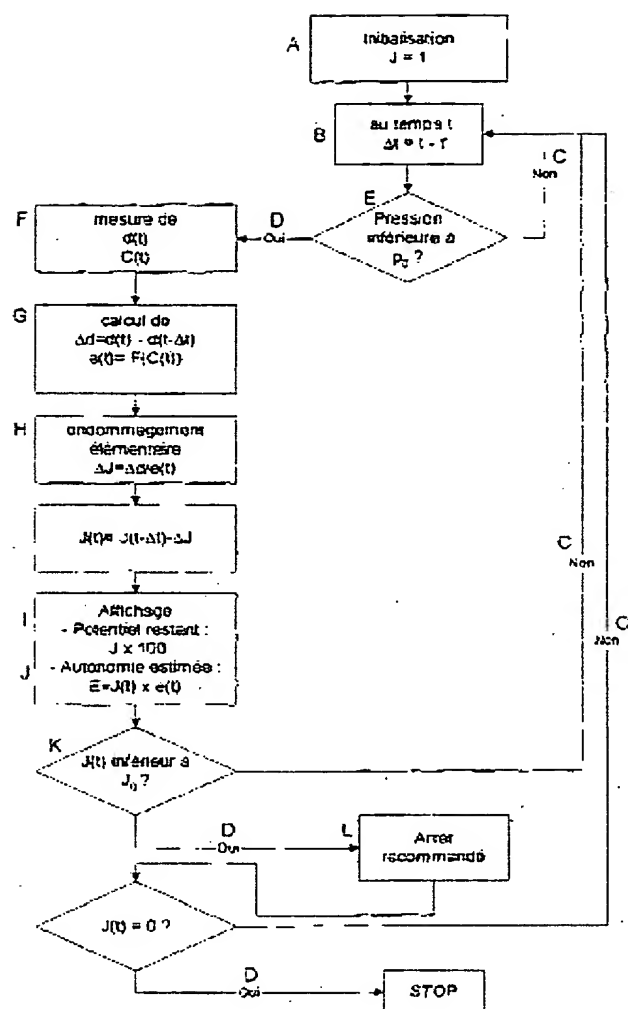
Cited documents:

 US4186377
 US6087930

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Abstract of WO0207996

The invention concerns a method for assessing the endurance of a motor vehicle running flat system comprising at least for each wheel a tyre casing, a deflation alarm and means supporting the running tread of the tyre casing when the casing is deflated, which, from the instant the deflation alarm has detected a predetermined deflating threshold, consists in: periodically measuring the distance covered and a parameter $C(t)$ characteristic of the running conditions; determining on the basis of $C(t)$ and the measured distance over Δt a quantity characteristic of potential elementary damage of the system during the time elapsed Δt ; calculating an estimate of the global damage by combining the calculated elementary damage levels since the start of flat running; and transmitting to the vehicle driver a quantity related to that estimate of the flat running system global damage.



A...INITIALISING J=1

B...AT INSTANT t

C...NO

D...YES

E...PRESSURE LOWER THAN P_0 ?F...MEASURING $\alpha(t)$ $c(t)$

G...CALCULATING

H...ELEMENTARY DAMAGE

I...DISPLAY REMAINING POTENTIAL

J...ESTIMATED ENDURANCE

K...J(t) LOWER THAN J_0 ?

L...ADVISED TO STOP

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